

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra

Detailed Measurements							
Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
8	Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.						
	Hegdenagar						
	RCC Drain						
	Raft						
	1st main 1st cross	2	30.00	1.10	0.15	9.90	✓
		2	30.00	1.10	0.15	9.90	✓
		2	30.00	1.10	0.15	9.90	✓
		2	5.00	1.10	0.15	1.65	✓
	Continued	2	30.00	1.10	0.15	9.90	✓
		2	30.00	1.10	0.15	9.90	✓
		2	30.00	1.10	0.15	9.90	✓
	Venugopal House	2	2.00	1.10	0.15	0.66	✓
		1	22.00	1.50	0.15	4.95	✓
		1	28.20	1.50	0.15	6.35	✓
		1	14.00	1.10	0.15	2.31	✓
		1	14.00	1.10	0.15	2.31	✓
		1	19.00	1.10	0.15	3.14	✓
	Wall						
	1st main 1st cross	4	30.00	0.15	0.70	12.60	✓
		4	30.00	0.15	0.70	12.60	✓
		4	30.00	0.15	0.70	12.60	✓
		4	5.00	0.15	0.70	2.10	✓
	Continued	4	30.00	0.15	0.70	12.60	✓
		4	30.00	0.15	0.70	12.60	✓
		4	30.00	0.15	0.70	12.60	✓
		4	2.00	0.15	0.70	0.84	✓
	Venugopal House	2	22.00	0.20	1.00	8.80	✓
		2	28.20	0.20	1.00	11.28	✓
		2	14.00	0.15	0.70	2.94	✓
		2	14.00	0.15	0.70	2.94	✓
		2	19.00	0.15	0.70	3.99	✓
	Culvert						
	Raft						
	Venugopal House	1	7.00	1.60	0.20	2.24	✓
		1	7.00	1.60	0.20	2.24	✓
	Near DWCC	1	8.20	1.60	0.20	2.62	✓
		1	8.20	1.60	0.20	2.62	✓

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 Asst. Executive Engineer
 Project Division
 Velahanka Zone

Samudhaya Bhavana	1	4.80	1.60	0.20	1.54	
Culvert-1	1	8.60	1.60	0.20	2.75	
Culvert-2	1	8.70	1.60	0.20	2.78	
Wall						
Venugopal House	2	7.00	0.22	0.70	2.16	
	2	7.00	0.22	0.70	2.16	
Near DWCC	2	8.20	0.25	0.70	2.87	
	2	8.20	0.25	0.70	2.87	
Samudhaya Bhavana	2	4.80	0.25	0.70	1.68	
Culvert-1	2	8.60	0.25	0.70	3.01	
Culvert-2	2	8.70	0.25	0.70	3.05	
Ramp						
Venugopal House	2	7.00	1.00	0.20	2.80	
Near DWCC	1	8.20	1.00	0.20	1.64	
Samudhaya Bhavana	1	7.90	2.00	0.20	3.16	
Culvert-1	2	8.60	2.00	0.20	6.88	
Culvert-2	2	8.50	2.00	0.20	6.80	
Surround Anganwadi	1	21.70	5.30	0.20	23.00	
	1	4.50	0.70	0.20	0.63	
	1	4.25	0.80	0.20	0.68	
	1	14.80	1.20	0.20	3.55	
	1	26.60	1.40	0.20	7.45	
	1	2.75	1.50	0.20	0.83	
	1	3.10	5.00	0.20	3.10	
	1	7.90	1.00	0.20	1.58	
Surround DWCC	1	16.50	2.60	0.20	8.58	
	1	11.40	3.00	0.20	6.84	
	1	15.00	8.00	0.20	24.00	
Samudhaya Bhavana	1	29.20	10.00	0.20	58.40	
Present Qty					383.75	Cum

Assistant Executive Engineer
KRIDL, Bangalore Sub-Division
KRIDL, BBMP, Bangalore

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Assistant Engineer

Asst. Executive Engineer,

Project Division
Velahanka Zone
Bangalore

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra

Detailed Measurements								
Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit	
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications.							
	Hegdenagar							
	RCC Drain							
	Wall							
	1st main 1st cross	8	30.00		0.70	168.00		
		8	30.00		0.70	168.00		
		8	30.00		0.70	168.00		
		8	5.00		0.70	28.00		
	Continued	8	30.00		0.70	168.00		
		8	30.00		0.70	168.00		
		8	30.00		0.70	168.00		
		8	2.00		0.70	11.20		
	Venugopal House	4	22.00		1.00	88.00		
		4	28.20		1.00	112.80		
		4	14.00		0.70	39.20		
		4	14.00		0.70	39.20		
		4	19.00		0.70	53.20		
	Culvert							
	Wall							
	Venugopal House	4	7.00		0.70	19.60		
		4	7.00		0.70	19.60		
	Near DWCC	4	8.20		0.70	22.96		
		4	8.20		0.70	22.96		
	Samudhaya Bhavana	4	4.80		0.70	13.44		
	Culvert-1	4	8.60		0.70	24.08		
	Culvert-2	4	8.70		0.70	24.36		
	Present Qty					1526.60	Sqm	
	Limited to					1525.80	Sqm	

✓ Assistant Executive Engineer
Krishnareddy Sub-Division
KRIDL, BBMP, Bangalore

Newzen Consultants Bangalore

Assistant Engineer

16/02/19

Asst. Executive Engineer,
Project Division,
Velahanka Zone
Bangalore

18/2/19

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra								
Detailed Measurements								
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	
10	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebtrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.							
	Hegdenagar							
	Total Drain length=421.0m Derived from item No-8							
	Main bar 12mm dia bar @ 150mmC/c							
	12mm bar unit weight = 0.89kg/mtr							
	421/.15=2807	2807	2.40		0.89	5995.75		
	Distribution bar 10mm dia 150mm C/c							
	10mm bar unit weight = 0.61kg/mtr	16	421.00		0.61	4108.96		
	Total Drain length=50.20m Derived from item No-8							
	Main bar 12mm dia bar @ 150mmC/c							
	12mm bar unit weight = 0.89kg/mtr							
	50.2/.15=335	335	3.30		0.89	983.90		
	Distribution bar 10mm dia 150mm C/c							
	10mm bar unit weight = 0.61kg/mtr	22	50.20		0.61	673.68		
	Total Culvert length=52.30m Derived from item No-8							
	Main bar 12mm dia bar @ 150mmC/c							
	12mm bar unit weight = 0.89kg/mtr							
	52.3/.15=349	698	3.00		0.89	1863.66		
	Distribution bar 10mm dia 150mm C/c							
	10mm bar unit weight = 0.61kg/mtr	38	52.30		0.61	1212.31		
						14838.27		
	Present Qty					14.84	Tn	

✓ Assistant Executive Engineer
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KRIDL, SBMP, Bangalore

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Assistant Engineer 11/02/19

Asst. Executive Engineer 11/2/19
Project Division
Velahanka Zone
Bangalore

Asst. Executive Engineer
Project Division
Velahanka Zone

1st main 1st cross		2	30.00	0.90		54.00	✓
		2	30.00	0.90		54.00	✓
		2	30.00	0.90		54.00	✓
Continued		2	5.00	0.90		9.00	✓
		2	30.00	0.90		54.00	✓
		2	30.00	0.90		54.00	✓
		2	30.00	0.90		54.00	✓
Venugopal House		2	2.00	0.90		3.60	✓
		1	22.00	1.20		26.40	✓
		1	28.20	1.20		33.84	✓
		1	14.00	0.90		12.60	✓
		1	14.00	0.90		12.60	✓
		1	19.00	0.90		17.10	✓
Missing/damaged slabs							
2ns main	LHS	14	0.60	0.90		7.56	✓
		8	0.60	0.90		4.32	✓
		17	0.60	0.90		9.18	✓
		10	0.60	0.90		5.40	✓
	RHS	6	0.60	0.90		3.24	✓
		15	0.60	0.90		8.10	✓
		9	0.60	0.90		4.86	✓
		12	0.60	0.90		6.48	✓
		7	0.60	0.90		3.78	✓
		4	0.60	0.90		2.16	✓
		15	0.60	0.90		8.10	✓
Present Qty						1194.69	Sqm

✓ Assistant Executive Engineer
Bantaryamanura Sub-Division
KRIDL, BBMP, Bangalore

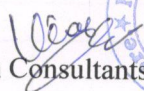
Newzen Consultants Bangalore

Assistant Engineer 14/03/19

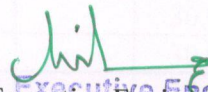
Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore 14/3/19

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra								
Detailed Measurements								
Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
12	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.							
	Hegdenagar							
	Venugopal House		1	7.00	1.50		10.50	
			1	7.00	1.50		10.50	
	Near DWCC		1	8.20	1.50		12.30	
			1	8.20	1.50		12.30	
	Samudhaya Bhavana		1	4.80	1.50		7.20	
	Culvert-1		1	8.60	1.50		12.90	
	Culvert-2		1	8.70	1.50		13.05	
Present Qty							78.75	Sqm

✓ 
 Assistant Executive Engineer
 KRIDL, Bangalore
 KRIDL, BBMP, Bangalore


 Newzen Consultants Bangalore


 Assistant Engineer 16/03/19


 Asst. Executive Engineer,
 Project Division
 Velahanka Zone
 Bangalore 16/3/19

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
13	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete. As per the direction of Engineer						
	Hegdenagar						
	1st main 1st cross	2	30.00			60.00	✓
		2	30.00			60.00	✓
		2	30.00			60.00	✓
		2	5.00			10.00	✓
	Continued	2	30.00			60.00	✓
		2	30.00			60.00	✓
		2	30.00			60.00	✓
		2	2.00			4.00	✓
	Venugopal House	1	22.00			22.00	✓
		1	21.00			21.00	✓
		1	14.00			14.00	✓
		1	14.00			14.00	✓
		1	19.00			19.00	✓
	4th cross						
	LHS	1	10.00			10.00	✓
		1	30.00			30.00	✓
		1	30.00			30.00	✓
		1	17.90			17.90	✓
		1	9.50			9.50	✓
		1	30.00			30.00	✓
		1	22.00			22.00	✓
		1	11.00			11.00	✓
	RHS	1	30.00			30.00	✓
		1	14.50			14.50	✓
		1	20.00			20.00	✓
		1	14.00			14.00	✓
		1	30.00			30.00	✓
		1	30.00			30.00	✓
		1	30.00			30.00	✓
		1	30.00			30.00	✓
		1	22.00			22.00	✓
	5th cross						
	LHS	1	30.00			30.00	✓
		1	30.00			30.00	✓
		1	21.00			21.00	✓
		1	30.00			30.00	✓
		1	30.00			30.00	✓
		1	30.00			30.00	✓
		1	30.00			30.00	✓

K. Sundares
JE

chil
Asst. Executive Engineer
Project Divisor
Velahanka Zone

			1	25.00			25.00	
		RHS	1	30.00			30.00	
			1	30.00			30.00	
			1	30.00			30.00	
			1	30.00			30.00	
			1	30.00			30.00	
			1	30.00			30.00	
			1	30.00			30.00	
			1	11.00			11.00	
			1	11.00			11.00	
							1302.90	
							2895.00	
	missings kerb stones							
	2nd main	LHS	5				5.00	
			8				8.00	
			4				4.00	
			6				6.00	
			10				10.00	
		RHS	7				7.00	
			12				12.00	
			6				6.00	
			10				10.00	
	Deduct old kerb stones						0.00	
	4th cross		-47				-47.00	
	5th cross		-26				-26.00	
						Present Qty	2890.00	Nos

Assistant Executive Engineer
Krishna Sub-Division
KRIDL, BBMP, Bangalore

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Assistant Engineer

Asst. Executive Engineer,
Project Division,
Yelahanka Zone
Bangalore

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra							
Detailed Measurements							
Item No	Discription of Item		No	Length	Breadth	Depth	Qty Unit
14	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.						
	Hegdenagar						
	1st main 1st cross		2	30.00		0.45	27.00 ✓
			2	30.00		0.45	27.00 ✓
			2	30.00		0.45	27.00 ✓
			2	5.00		0.45	4.50 ✓
	Continued		2	30.00		0.45	27.00 ✓
			2	30.00		0.45	27.00 ✓
			2	30.00		0.45	27.00 ✓
			2	2.00		0.45	1.80 ✓
	Venugopal House		1	22.00		0.45	9.90 ✓
			1	21.00		0.45	9.45 ✓
			1	14.00		0.45	6.30 ✓
			1	14.00		0.45	6.30 ✓
			1	19.00		0.45	8.55 ✓
	4th cross						
		LHS	1	10.00		0.45	4.50 ✓
			1	30.00		0.45	13.50 ✓
			1	30.00		0.45	13.50 ✓
			1	17.90		0.45	8.06 ✓
			1	9.50		0.45	4.28 ✓
			1	30.00		0.45	13.50 ✓
			1	22.00		0.45	9.90 ✓
			1	11.00		0.45	4.95 ✓
		RHS	1	30.00		0.45	13.50 ✓
			1	14.50		0.45	6.53 ✓
			1	20.00		0.45	9.00 ✓
			1	14.00		0.45	6.30 ✓
			1	30.00		0.45	13.50 ✓
			1	30.00		0.45	13.50 ✓
			1	30.00		0.45	13.50 ✓
			1	30.00		0.45	13.50 ✓
			1	22.00		0.45	9.90 ✓
	5th cross						
		LHS	1	30.00		0.45	13.50 ✓
			1	30.00		0.45	13.50 ✓
			1	21.00		0.45	9.45 ✓
			1	30.00		0.45	13.50 ✓
			1	30.00		0.45	13.50 ✓
			1	30.00		0.45	13.50 ✓
			1	30.00		0.45	13.50 ✓
			1	25.00		0.45	11.25 ✓

K. S. S. S.

Chil
Asst. Executive Engineer
Project Divisor.
Velahanka Zone
Bangalore

		RHS	1	30.00		0.45	13.50	✓
			1	30.00		0.45	13.50	✓
			1	30.00		0.45	13.50	✓
			1	30.00		0.45	13.50	✓
			1	30.00		0.45	13.50	✓
			1	30.00		0.45	13.50	✓
			1	30.00		0.45	13.50	✓
			1	11.00		0.45	4.95	✓
			1	11.00		0.45	4.95	✓
Present Qty							586.31	✓ Sqm

✓ Assistant Executive Engineer
KRIDL, Bangalore Sub-Division
KRIDL, BBMP, Bangalore

S. S. Suresh
Assistant Engineer 20/03/19

[Signature]
Newzen Consultants Bangalore



[Signature] 20/3/19
Asst. Executive Engineer
Project Division
Velahanka Zone
Bangalore

25

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra								
Detailed Measurements								
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	
15	Providing and applying spray painting in one coat (excluding priming coat) over concrete / masonry / asbestos cement sheet /plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.							
	Hegdenagar							
	1st main 1st cross	2	30.00		0.45	27.00		
		2	30.00		0.45	27.00		
		2	30.00		0.45	27.00		
		2	5.00		0.45	4.50		
	Continued	2	30.00		0.45	27.00		
		2	30.00		0.45	27.00		
		2	30.00		0.45	27.00		
		2	2.00		0.45	1.80		
	Venugopal House	1	22.00		0.45	9.90		
		1	21.00		0.45	9.45		
		1	14.00		0.45	6.30		
		1	14.00		0.45	6.30		
		1	19.00		0.45	8.55		
	4th cross							
	LHS	1	10.00		0.45	4.50		
		1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	17.90		0.45	8.06		
		1	9.50		0.45	4.28		
		1	30.00		0.45	13.50		
		1	22.00		0.45	9.90		
		1	11.00		0.45	4.95		
	RHS	1	30.00		0.45	13.50		
		1	14.50		0.45	6.53		
		1	20.00		0.45	9.00		
		1	14.00		0.45	6.30		
		1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	22.00		0.45	9.90		
	5th cross							
	LHS	1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	21.00		0.45	9.45		
		1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	25.00		0.45	11.25		

Asst. Executive Engineer

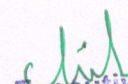
Asst. Executive Engineer
Project Division
Vaidhyanagar

		RHS	1	30.00		0.45	13.50	✓
			1	30.00		0.45	13.50	✓
			1	30.00		0.45	13.50	✓
			1	30.00		0.45	13.50	✓
			1	30.00		0.45	13.50	✓
			1	30.00		0.45	13.50	✓
			1	30.00		0.45	13.50	✓
			1	11.00		0.45	4.95	✓
			1	11.00		0.45	4.95	✓
Present Qty							586.31	✓ Sqm

✓ 
Assistant Executive Engineer
K.R. Sub-Division
Bangalore, Bangalore


Assistant Engineer 20/03/19


Newzen Consultants Bangalore


Asst. Executive Engineer
Project Division
Velahanka Zone
Bangalore 20/3/19